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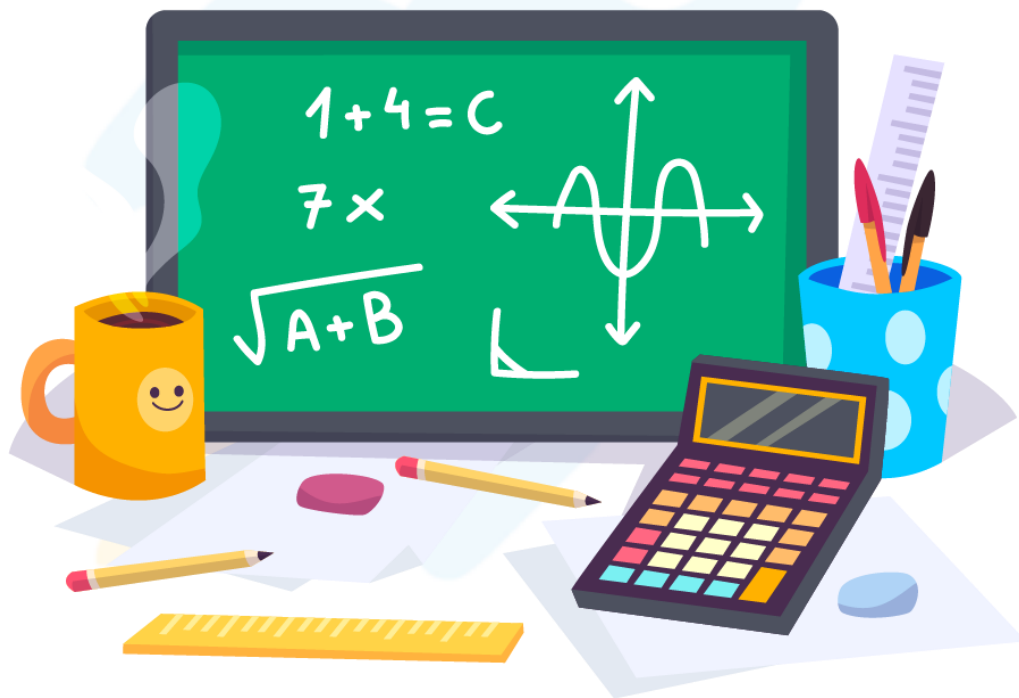
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Pythagorean Theorem Worksheets Grade 8

Find the measure of the length of side of the right-angle triangle if the length of two sides of the triangle is given.

- 1) 12 in, 13 in
- 2) 3 ft, 4 ft
- 3) 6 yd, 10 yd
- 4) 20 ft, 21 ft
- 5) 20 ft, 99 ft



- 6) If the lengths of the side of a right triangular field is 48 yards and 55 yards. Find the length of the longest side of the field.
- 7) Fin said that length of right-angle triangle are 8 units, 15 units and 19 units. His statement is:
a) True b) False

8) Fill in the blanks:

According to the Pythagoras theorem, if the length of the base of a triangle is 'a', length of the perpendicular is 'b', and length of the hypotenuse of the triangle is 'c', then $a^2 + b^2 = \underline{\hspace{2cm}}$

9) In a right-angle triangle, if the length of the hypotenuse is 145, and length of the base is 17. Find the length of the height of the triangle.



10) The hypotenuse is the _____ side of the right-angle triangle.

a) Longest b) Shortest c) None of these

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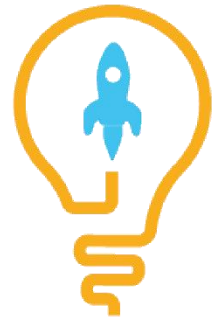
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	5
2)	5
3)	8
4)	29
5)	101
6)	73
7)	False
8)	c^2
9)	144
10)	a) Longest